

SET ABB=ON PLU=ON

FILE 'HCAPLUS' ENTERED AT 12:55:33 ON 02 DEC 2004

L1 1 S WO 200034539/PN  
L2 SEL PLU=ON L1 1- IC RN : 10 TERMS  
L3 511567 S L2  
L4 1 S L1 AND L3

FILE 'INSPEC' ENTERED AT 13:12:40 ON 02 DEC 2004

L5 1001 S (CU BIN(S)CU2O BIN)/CHI  
L6 41156 S CU EL/CHI  
L7 316 S L5 AND L6  
L8 427333 S COMPOSITE OR ALLOY  
L9 31 S L7 AND L8  
L10 0 S CU\*CU2O/ET  
L11 67 S CU-CU2O/ET  
L12 15 S L11 AND L8

INDEX 'HCAPLUS, INSPEC, COMPENDEX, SCISEARCH, PASCAL, ELCOM, ENERGY, AEROSPACE, DISSABS, METADEX, ANTE, NTIS, CEABA-VTB, CONFSCI, EMA, ENTEC, FEDRIP, RDISCLOSURE, SIGLE, SOLIDSTATE' ENTERED AT 13:16:31 ON 02 DEC 2004

L13 QUE L12  
L14 QUE CU-CU2O AND L8  
L15 QUE VICKER# OR HARDNESS OR HV OR VH  
L16 QUE CU-CU2O OR CU2O-CU  
L17 QUE L15 AND L16

FILE 'HCAPLUS, ENERGY, AEROSPACE, INSPEC' ENTERED AT 13:20:50 ON 02 DEC 2004

L18 12 S L17

FILE 'HCAPLUS, CEABA-VTB' ENTERED AT 13:23:20 ON 02 DEC 2004

L19 1137053 S CU OR COPPER OR 7440-50-8  
L20 144521 S (CU OR CU2 OR COPPER OR CUPROUS) (2A) (OXIDE#  
OR O2) OR CU2O OR 1317-39-1  
L21 20245 S 7440-50-8 AND L20  
L22 2610 S L21 AND (L15 OR L8)  
L23 62 S L21 AND L15 AND L8  
L24 132566 S (CU OR CU2 OR COPPER OR CUPROUS) (1A) (OXIDE#  
OR O2) OR CU2O OR 1317-39-1  
L25 56 S 7440-50-8 AND L24 AND L15 AND L8  
L26 8 S 7440-50-8 (L) L24 AND L15 AND L8

INDEX 'HCAPLUS, INSPEC, COMPENDEX, SCISEARCH, PASCAL, ELCOM, ENERGY, AEROSPACE, DISSABS, METADEX, ANTE, NTIS, CEABA-VTB, CONFSCI, EMA, ENTEC, FEDRIP, RDISCLOSURE, SIGLE, SOLIDSTATE' ENTERED AT 13:38:00 ON 02 DEC 2004

L27 QUE COPPER COPPER OXIDE OR COPPER OXIDE COPPER OR COPPER CU2O  
L28 QUE L15 AND L8 AND L27  
L29 QUE (L15 OR L8) AND L27

FILE 'HCAPLUS, COMPENDEX, SCISEARCH, ENERGY, METADEX, INSPEC, PASCAL, NTIS, RDISCLOSURE, AEROSPACE, DISSABS, ANTE, CEABA-VTB, EMA, ENTEC' ENTERED AT 13:46:53 ON 02 DEC 2004

L30 100 S L29  
L31 5 S L30 AND L15  
L33 36 DUP REM L12 L18 L26 L31 (4 DUPLICATES REMOVED)  
L34 24 S L33 NOT P/DT NOT PY>1998  
L35 24 DUP REM L34 (0 DUPLICATES REMOVED)

INDEX 'WPIX, JAPIO, JICST-EPLUS, PATOSEP, PATOSWO' ENTERED AT 13:53:23 ON  
02 DEC 2004

L36 QUE L12 OR L18 OR L26 OR L29

L37 QUE L36 AND L15

FILE 'WPIX, JAPIO, JICST-EPLUS' ENTERED AT 13:55:03 ON 02 DEC 2004

L38 7 S L37

FILE 'INSPEC, HCAPLUS, ENERGY, AEROSPACE, COMPENDEX, WPIX, JAPIO,  
JICST-EPLUS' ENTERED AT 13:55:35 ON 02 DEC 2004

L39 5 S L33 AND P/DT

L40 12 DUP REM L39 L38 (0 DUPLICATES REMOVED)

138797

**SEARCH REQUEST FORM** Scientific and Technical Information Center - EIC2800  
 Rev. 1/15/2004 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEP-4B68, 272-2311.

Date 11/09/04 Serial # 09/485,227 Priority Application Date \_\_\_\_\_

Your Name M. Lewis Examiner # \_\_\_\_\_

AU 2892 Phone 272-1838 Room 5A30

In what format would you like your results? Paper is the default. ☒ PAPER ☐ DISK ☐ EMAIL

If submitting more than one search, please prioritize in order of need.

*Need before 12/2*

The EIC searcher normally will contact you before beginning a prior art search. If you would like to sit with a searcher for an interactive search, please notify one of the searchers.

Where have you searched so far on this case?

Circle: ☐ USPT ☐ DWPI ☐ EPO Abs ☐ JPO Abs ☐ IBM TDB

Other: \_\_\_\_\_

What relevant art have you found so far? Please attach pertinent citations or Information Disclosure Statements. \_\_\_\_\_

What types of references would you like? Please checkmark:

Primary Refs \_\_\_\_\_ Nonpatent Literature \_\_\_\_\_ Other \_\_\_\_\_  
 Secondary Refs \_\_\_\_\_ Foreign Patents \_\_\_\_\_  
 Teaching Refs \_\_\_\_\_

What is the topic, such as the **novelty**, motivation, utility, or other specific facets defining the desired **focus** of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

*Claims 19-24 & 29*

*Problem: See pages 2-6  
 Solution: " 6-17*

*Scott,*

*Please do an updated search.*

Staff Use Only  
 Searcher: Scott Harrison  
 Searcher Phone: 272-2663  
 Searcher Location: STIC-EIC2800, JEP-4B68  
 Date Searcher Picked Up: 12/1/04  
 Date Completed: 12/1/04  
 Searcher Prep/Rev Time: 240  
 Online Time: 52

Type of Search  
 Structure (#) \_\_\_\_\_  
 Bibliographic \_\_\_\_\_  
 Litigation \_\_\_\_\_  
 Fulltext \_\_\_\_\_  
 Patent Family \_\_\_\_\_  
 Other \_\_\_\_\_

Vendors  
 STN ☒  
 Dialog \_\_\_\_\_  
 Questel/Orbit \_\_\_\_\_  
 Lexis-Nexis \_\_\_\_\_  
 WWW/Internet \_\_\_\_\_  
 Other \_\_\_\_\_